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OM protein - protein search, using sw model

Run on: June 11, 2001, 16:10:28 ; Search time 13.17 Seconds  
(without alignments)  
322.369 Million cell updates/sec

Title: us-09-033-662-2

Perfect score: 1238

Sequence: 1 MRRCRISGRPPAPGCPVQAQ.....COGRGLELNPDTCCRKLRR 221

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA.\*

- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	918	74.2	188	1	US-08-469-427A-11
2	918	74.2	188	2	US-08-609-443B-11
3	918	74.2	188	2	US-08-569-063C-11
4	918	74.2	188	4	US-08-795-430-57
5	824	66.6	207	2	US-08-609-443B-15
6	824	66.6	207	2	US-08-569-063C-15
7	796	64.3	188	1	US-08-469-427A-5
8	796	64.3	188	2	US-08-609-443B-5
9	796	64.3	188	2	US-08-569-063C-5
10	782.5	63.2	195	1	US-08-469-427A-7
11	782.5	63.2	195	2	US-08-609-443B-7
12	782.5	63.2	195	2	US-08-569-063C-7
13	724	58.5	207	2	US-08-609-443B-13
14	724	58.5	207	2	US-08-569-063C-13
15	543	43.9	133	1	US-08-469-427A-9
16	543	43.9	133	2	US-08-609-443B-9
17	543	43.9	133	2	US-08-569-063C-9
18	489	39.5	102	1	US-08-469-427A-2
19	489	39.5	102	2	US-08-609-443B-2
20	489	39.5	102	4	US-08-569-063C-2
21	364.5	29.4	215	4	US-08-586-039B-49
22	364.5	29.4	215	6	5240848-7
23	363.5	29.4	215	3	US-08-807-992B-3
24	363.5	29.1	215	6	5219739-22
25	359.5	29.0	231	5	PCT-US96-09001-10
26	359.5	29.0	232	2	US-08-999-811-7
27	359	29.0	232	3	US-08-807-992B-4

28	359	29.0	232	3	US-09-042-105-7
29	358	28.9	214	4	US-08-586-039B-35
30	358	28.9	214	6	5240848-11
31	353	28.5	232	2	US-08-824-996-9
32	350	28.3	180	4	US-08-586-039B-31
33	345.5	27.9	165	6	5194596-18
34	345.5	27.9	165	6	5219739-19
35	345.5	27.9	191	3	US-08-567-200A-2
36	345.5	27.9	191	3	US-08-807-992B-2
37	345.5	27.9	191	3	US-08-691-794-2
38	345.5	27.9	191	4	US-08-795-430-56
39	345.5	27.9	191	6	5332671-4
40	345	27.9	190	2	US-08-569-063C-20
41	339	27.4	164	6	5194596-17
42	339	27.4	164	6	5219739-17
43	339	27.4	164	6	5219739-18
44	339	27.4	190	6	5332671-3
45	324.5	26.2	189	1	US-08-469-427A-15

ALIGNMENTS

RESULT 1  
US-08-469-427A-11  
Sequence 11, Application US/08469427A  
Patent No. 5607918  
GENERAL INFORMATION:  
APPLICANT: Eriksson, Ulf  
APPLICANT: Olofsson, Birgitta  
APPLICANT: Allitalo, Karl  
APPLICANT: Pajusola, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
ZIP: 20005

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,427A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION NUMBER:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Evans, Joseph D  
REGISTRATION NUMBER: 26,369  
REFERENCE/DOCKET NUMBER: 41979cp2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 188 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
TISSUE TYPE: human fibrosarcoma  
US-08-469-427A-11

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Query Match 74.2%; Score 918; DB 1; Length 188;  
Best Local Similarity 82.9%; Pred. No. 4.2e-77;  
Matches 170; Conservative 0; Mismatches 1; Indels 34; Gaps 1;

QY 17 PAQAPVSPDAPGHOKVSVWIDVYTRATCPREVVVPLTVELMGTVAKOLVPSVTVQV 76  
DB 18 PAQAPVSPDAPGHOKVSVWIDVYTRATCPREVVVPLTVELMGTVAKOLVPSVTVQV 77  
QY 77 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGEMSLSEHSQCECRPKKDSAVKPD 136  
DB 78 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGEMSLSEHSQCECRPKKDSAVKPD- 136  
QY 137 AATPHRPQPSVPGWDSAPGAPSPADITQSHSSRPPLCPRCTQHHQCPDPPTCRRCRR 196  
DB 137 -----SPRLCPRCTQHHQRPDPPTCRRCRR 163

QY 197 RSFLRCQGRGLELNPDTCTCRKLR 221  
DB 164 RSFLRCQGRGLELNPDTCTCRKLR 188

RESULT 2  
US-08-609-443B-11  
; Sequence 11, Application 05/08609443B  
; Patent No. 5840693  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: OLOFSSON, Birgitta  
; APPLICANT: ALITALO, Kari  
; APPLICANT: PAJUSOLA, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKown, Edwards & Lenahan, P.L.L.C.  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/609,443B  
; FILING DATE: 01-MAR-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/469,427  
; FILING DATE: 06-JUN-1995  
; APPLICATION NUMBER: US 08/569,063  
; FILING DATE: 06-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: EVANS, Joseph D  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 1064/41979CP4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 188 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO

ORIGINAL SOURCE:  
TISSUE TYPE: human fibrosarcoma  
US-08-609-443B-11

Query Match 74.2%; Score 918; DB 2; Length 188;  
Best Local Similarity 82.9%; Pred. No. 4.2e-77;  
Matches 170; Conservative 0; Mismatches 1; Indels 34; Gaps 1;

QY 17 PAQAPVSPDAPGHOKVSVWIDVYTRATCPREVVVPLTVELMGTVAKOLVPSVTVQV 76  
DB 18 PAQAPVSPDAPGHOKVSVWIDVYTRATCPREVVVPLTVELMGTVAKOLVPSVTVQV 77  
QY 77 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGEMSLSEHSQCECRPKKDSAVKPD 136  
DB 78 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGEMSLSEHSQCECRPKKDSAVKPD- 136  
QY 137 AATPHRPQPSVPGWDSAPGAPSPADITQSHSSRPPLCPRCTQHHQCPDPPTCRRCRR 196  
DB 137 -----SPRLCPRCTQHHQRPDPPTCRRCRR 163

QY 197 RSFLRCQGRGLELNPDTCTCRKLR 221  
DB 164 RSFLRCQGRGLELNPDTCTCRKLR 188

RESULT 3  
US-08-569-063C-11  
; Sequence 11, Application US/08569063C  
; Patent No. 5928939  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: OLOFSSON, Birgitta  
; APPLICANT: ALITALO, Kari  
; APPLICANT: PAJUSOLA, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKown, Edwards & Lenahan, P.L.L.C.  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/569,063C  
; FILING DATE: 06-DEC-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/469,427  
; FILING DATE: 06-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: EVANS, Joseph D  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 1064/41979CP3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 188 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; TISSUE TYPE: human fibrosarcoma
US-08-569-063C-11

Query Match 74.2%; Score 918; DB 2; Length 188;
Best Local Similarity 82.9%; Pred. No. 4.2e-77;
Matches 170; Conservative 0; Mismatches 1; Indels 34; Gaps 1;

QY 17 PAQAPVSDPACHQKRVKVSVDVYTRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQR 76
Db 18 PAQAPVSDPACHQKRVKVSVDVYTRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQR 77
QY 77 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGMSLEEHSSQCECRPKKDSAVKPD 136
Db 78 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGMSLEEHSSQCECRPKKDSAVKPD 136
QY 137 AATPHRPPQSRVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRRCRR 196
Db 137 -----SPRPLCPRCTQHHQCPDPRTCRRCRR 163
QY 197 RSFLRCQGRGLELNPDTCRCKLRR 221
Db 164 RSFLRCQGRGLELNPDTCRCKLRR 188

RESULT 4
US-08-795-430-57
; Sequence 57, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Karl
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FI96/00427
; FILING DATE: 01-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.

; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/33691
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 188 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-430-57

Query Match 74.2%; Score 918; DB 4; Length 188;
Best Local Similarity 82.9%; Pred. No. 4.2e-77;
Matches 170; Conservative 0; Mismatches 1; Indels 34; Gaps 1;

QY 17 PAQAPVSDPACHQKRVKVSVDVYTRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQR 76
Db 18 PAQAPVSDPACHQKRVKVSVDVYTRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQR 77
QY 77 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGMSLEEHSSQCECRPKKDSAVKPD 136
Db 78 CGGCCPDDGLECVPTGQHVQRMQILMIRYPSQLGMSLEEHSSQCECRPKKDSAVKPD 136
QY 137 AATPHRPPQSRVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRRCRR 196
Db 137 -----SPRPLCPRCTQHHQCPDPRTCRRCRR 163
QY 197 RSFLRCQGRGLELNPDTCRCKLRR 221
Db 164 RSFLRCQGRGLELNPDTCRCKLRR 188

RESULT 5
US-08-609-443B-15
; Sequence 15, Application US/08609443B
; Patent No. 5840693
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: OLOFSSON, Birgitta
; APPLICANT: ALITALO, Karl
; APPLICANT: PAJUSOLA, Katri
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,443B
; FILING DATE: 01-MAR-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,427
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/569,063

BEST AVAILABLE COPY

FILING DATE: 06-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP4  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 207 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE: human  
TISSUE TYPE: human  
US-08-609-443B-15

Query Match 66.6%; Score 824; DB 2; Length 207;  
Best Local Similarity 96.8%; Pred. No. 1.9e-68;  
Matches 152; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

QY 17 PAAPVSPQDPAGHQRKVSVWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTYQR 76  
DB 18 PAAPVSPQDPAGHQRKVSVWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTYQR 77  
QY 77 CGGCCPDDGLECVPTGQHVQRMIIMIRYPSSQLGEMSLSEHSQCECRPKKKDSAVKPD 136  
DB 78 CGGCCPDDGLECVPTGQHVQRMIIMIRYPSSQLGEMSLSEHSQCECRPKKKDSAVKPD 137  
QY 137 AATPHRRPQPSVPGWDSAPGAPSPADITQSHSPRP 173  
DB 138 AATPHRRPQPSVPGWDSAPGAPSPADIT--HPTPAP 172

RESULT 6  
US-08-569-063C-15  
Sequence 15, Application US/08569063C  
Patent No. 5928939  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1:25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269

REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 207 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE: human  
TISSUE TYPE: human  
US-08-569-063C-15

Query Match 66.6%; Score 824; DB 2; Length 207;  
Best Local Similarity 96.8%; Pred. No. 1.9e-68;  
Matches 152; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

QY 17 PAAPVSPQDPAGHQRKVSVWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTYQR 76  
DB 18 PAAPVSPQDPAGHQRKVSVWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTYQR 77  
QY 77 CGGCCPDDGLECVPTGQHVQRMIIMIRYPSSQLGEMSLSEHSQCECRPKKKDSAVKPD 136  
DB 78 CGGCCPDDGLECVPTGQHVQRMIIMIRYPSSQLGEMSLSEHSQCECRPKKKDSAVKPD 137  
QY 137 AATPHRRPQPSVPGWDSAPGAPSPADITQSHSPRP 173  
DB 138 AATPHRRPQPSVPGWDSAPGAPSPADIT--HPTPAP 172

RESULT 7  
US-08-469-427A-5  
Sequence 5, Application US/08469427A  
Patent No. 5607918  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,427A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 41979cp2  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 188 amino acids



RESULT 11

TEL. PHONE: (202) 628-8800



NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 195 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
TISSUE TYPE: adult mouse heart  
US-08-609-443B-7

Query Match 63.2%; Score 782.5; DB 2; Length 195;  
Best Local Similarity 70.5%; Pred. No. 1.2e-64;  
Matches 148; Conservative 6; Mismatches 15; Indels 41; Gaps 2;  
QY 19 QAPVSPDAPGHQKVVSWIDVYTRATCPREVVPVLTVELMGTAKQLVPSCVTVORCG 78  
DB 20 QAPVSFDGPHQKVVSWIDVYTRATCPREVVPVLTVELMGTAKQLVPSCVTVORCG 79  
QY 79 GCCPDGDLCEVPTGQHOVRM-----QILMIRYPSQLGEMSLSEHSCRCRPPKKKDSA 131  
DB 80 GCCPDGDLCEVPTGQHOVRMGPVPGMGQILMIQYPSQLGEMSLSEHSCRCRPPKKKESA 139  
QY 132 VKPDRAATPHRRPOPRSPVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCDDPRTCR 191  
DB 140 VKPD-----SPRILCPCTQRRORPDPTCR 165  
QY 192 CRCRRRFLRCGQGLGNLPDTCRCRKLRR 221  
DB 166 CRCRRRFLHCQGLGNLPDTCRCRKLRR 195

RESULT 12  
US-08-569-063C-7  
Sequence 7, Application US/08569063C  
Patent No. 5928939  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25.  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995

ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 195 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
TISSUE TYPE: adult mouse heart  
US-08-569-063C-7

Query Match 63.2%; Score 782.5; DB 2; Length 195;  
Best Local Similarity 70.5%; Pred. No. 1.2e-64;  
Matches 148; Conservative 6; Mismatches 15; Indels 41; Gaps 2;  
QY 19 QAPVSPDAPGHQKVVSWIDVYTRATCPREVVPVLTVELMGTAKQLVPSCVTVORCG 78  
DB 20 QAPVSFDGPHQKVVSWIDVYTRATCPREVVPVLTVELMGTAKQLVPSCVTVORCG 79  
QY 79 GCCPDGDLCEVPTGQHOVRM-----QILMIRYPSQLGEMSLSEHSCRCRPPKKKDSA 131  
DB 80 GCCPDGDLCEVPTGQHOVRMGPVPGMGQILMIQYPSQLGEMSLSEHSCRCRPPKKKESA 139  
QY 132 VKPDRAATPHRRPOPRSPVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCDDPRTCR 191  
DB 140 VKPD-----SPRILCPCTQRRORPDPTCR 165  
QY 192 CRCRRRFLRCGQGLGNLPDTCRCRKLRR 221  
DB 166 CRCRRRFLHCQGLGNLPDTCRCRKLRR 195

RESULT 13  
US-08-609-443B-13  
Sequence 13, Application US/08609443B  
Patent No. 5840693  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/609,443B  
FILING DATE: 01-MAR-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
PRIOR APPLICATION DATA:

NOT AVAILABLE COPY

APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/569,063  
FILING DATE: 06-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP4  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 207 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE: mouse  
TISSUE TYPE: mouse  
US-08-609-443B-13

Query Match 58.5%; Score 724; DB 2; Length 207;  
Best Local Similarity 85.2%; Pred. No. 2.8e-59;  
Matches 132; Conservative 7; Mismatches 14; Indels 2; Gaps 1;  
QY 19 QAPVSDPAGHQKRVSWIDVYRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQRCG 78  
DB 20 QAPVAQFDGPGSHQKRVWIDVYRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQRCG 79  
QY 79 GCCPDDGLECVPTGQHVQRMQILMIRYPSOLGEMSLSEHSQCRCRKKKDSAVKPDRAA 138  
DB 80 GCCPDDGLECVPTGQHVQRMQILMIRYPSOLGEMSLSEHSQCRCRKKKDSAVKPDRAA 139  
QY 139 TPHRPQPRSPGVGWSAPGAPSPADITQSHSSPRP 173  
DB 140 IPHRPQPRSPGVGWSAPGAPSPADITQSHSSPRP 174

RESULT 14  
US-08-569-063C-13  
Sequence 13, Application US/08569063C  
Patent No. 5928939  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995

ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 207 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE: mouse  
TISSUE TYPE: mouse  
US-08-569-063C-13

Query Match 58.5%; Score 724; DB 2; Length 207;  
Best Local Similarity 85.2%; Pred. No. 2.8e-59;  
Matches 132; Conservative 7; Mismatches 14; Indels 2; Gaps 1;  
QY 19 QAPVSDPAGHQKRVSWIDVYRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQRCG 78  
DB 20 QAPVAQFDGPGSHQKRVWIDVYRATCQPREVVVPLTVELMGTVAKOLVPSCVTVQRCG 79  
QY 79 GCCPDDGLECVPTGQHVQRMQILMIRYPSOLGEMSLSEHSQCRCRKKKDSAVKPDRAA 138  
DB 80 GCCPDDGLECVPTGQHVQRMQILMIRYPSOLGEMSLSEHSQCRCRKKKDSAVKPDRAA 139  
QY 139 TPHRPQPRSPGVGWSAPGAPSPADITQSHSSPRP 173  
DB 140 IPHRPQPRSPGVGWSAPGAPSPADITQSHSSPRP 174

RESULT 15  
US-08-469-427A-9  
Sequence 9, Application US/08469427A  
Patent No. 5607918  
GENERAL INFORMATION:  
APPLICANT: Eriksson, Ulf  
APPLICANT: Olofsson, Birgitta  
APPLICANT: Alitalo, Kari  
APPLICANT: Pajusola, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,427A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Evans, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 41979cp2  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:  
LENGTH: 133 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-469-427A-9

Query Match 43.9%; Score 543; DB 1; Length 133;  
Best Local Similarity 90.0%; Pred. No. 6.7e-43;  
Matches 99; Conservative 4; Mismatches 7; Indels 0; Gaps 0;  
Qy 19 QAPVSPDAPGHQKRVSWIDVYTRATCPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78  
Db 20 QAPVSQFDGSPSHQKRVSWIDVYTRATCPREVVVPLSMELMGVNVKQLVPSCVTVQRCG 79  
Qy 79 GCCPDDGLECVPTGQHVRMQILMIRYPSSQLGEMSLSEHSQCECRPKK 128  
Db 80 GCCPDDGLECVPTGQHVRMQILMIRYPSSQLGEMSLSEHSQCECRPKK 129

Search completed: June 11, 2001, 16:12:30  
Job time: 122 sec

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GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: June 11, 2001, 23:10:41 ; Search time 67.03 Seconds  
(without alignments)  
1734.826 Million cell updates/sec

Title: US-09-033-662-1  
Perfect score: 666  
Sequence: 1 ATGAGAGGTGCTAGTAATG.....GCCGGAAGCTCCGAAGGTGA 666

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 302621 seqs, 87301344 residues

Total number of hits satisfying chosen parameters: 605242

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents.NA.\*  
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2: /cgn2.6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2.6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2.6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2.6/ptodata/1/ina/PTCUS\_COMB.seq.\*  
6: /cgn2.6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	555.4	83.4	624	2	US-08-609-443B-14
2	555.4	83.4	624	2	US-08-569-063C-14
3	464.4	69.7	624	2	US-08-609-443B-12
4	464.4	69.7	624	2	US-08-569-063C-12
5	400.6	60.2	570	1	US-08-469-427A-10
6	400.6	60.2	570	2	US-08-609-443B-10
7	400.6	60.2	570	2	US-08-569-063C-10
8	316	47.4	565	1	US-08-469-427A-4
9	316	47.4	565	2	US-08-609-443B-4
10	316	47.4	565	2	US-08-569-063C-4
11	285	42.8	591	1	US-08-469-427A-6
12	285	42.8	591	2	US-08-609-443B-6
13	285	42.8	591	2	US-08-569-063C-6
14	277.8	41.7	405	1	US-08-469-427A-8
15	277.8	41.7	405	2	US-08-609-443B-8
16	277.8	41.7	405	2	US-08-569-063C-8
17	268.4	40.3	886	1	US-08-469-427A-1
18	268.4	40.3	886	2	US-08-609-443B-1
19	268.4	40.3	886	2	US-08-569-063C-1
20	92.2	13.8	456	5	PCT-US95-10973A-88
21	92.2	13.8	456	5	PCT-US95-10973A-86
22	92.2	13.8	473	3	US-08-718-904-1
23	92.2	13.8	473	5	PCT-US95-10973A-25
24	92.2	13.8	498	6	5194596-20
25	92.2	13.8	516	3	US-08-784-551C-1
26	92.2	13.8	599	5	PCT-US95-10973A-87
27	92.2	13.8	599	5	PCT-US95-10973A-89

28	92.2	13.8	605	3	US-08-718-904-2	Sequence 2, Appl
29	92.2	13.8	605	5	PCT-US95-10973A-26	Sequence 26, Appl
30	92.2	13.8	648	4	US-08-586-039B-48	Sequence 48, Appl
31	92.2	13.8	774	4	US-08-765-340-1	Sequence 1, Appl
32	92.2	13.8	989	6	5332671-11	Patent No. 5332671
33	92.2	13.8	990	3	US-08-567-200A-1	Sequence 1, Appl
34	92.2	13.8	990	3	US-08-691-794-1	Sequence 1, Appl
35	92.2	13.8	1167	5	PCT-US95-10973A-57	Sequence 57, Appl
36	92.2	13.8	1195	6	5240848-6	Patent No. 5240848
37	92.2	13.8	1212	5	PCT-US95-10973A-31	Sequence 31, Appl
38	92.2	13.8	1269	5	PCT-US95-10973A-58	Sequence 32, Appl
39	92.2	13.8	1299	5	PCT-US95-10973A-32	Sequence 58, Appl
40	92.2	13.8	1369	5	PCT-US95-10973A-33	Sequence 33, Appl
41	92.2	13.8	1557	5	PCT-US95-10973A-79	Sequence 79, Appl
42	92.2	13.8	1809	5	PCT-US95-10973A-3	Sequence 3, Appl
43	90.8	13.6	677	3	US-08-718-904-3	Sequence 27, Appl
44	90.8	13.6	677	5	PCT-US95-10973A-27	Sequence 4, Appl
45	90.8	13.6	728	3	US-08-718-904-4	

ALIGNMENTS

RESULT 1  
US-08-609-443B-14  
; Sequence 14, Application US/08609443B  
; Patent No. 5840693  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: OLOFSSON, Birgitta  
; APPLICANT: ALITALO, Karl  
; APPLICANT: PAJUSOLA, Katariina  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; TITLE OF INVENTION: DNA CODING THEREFOR  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/609,443B  
; FILING DATE: 01-MAR-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/469,427  
; FILING DATE: 06-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/569,063  
; FILING DATE: 06-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: EVANS, Joseph D.  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 1064/41979CP4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 624 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

NOT AVAILABLE COPY

MOLECULE TYPE: CDNA  
ORIGINAL SOURCE:  
TISSUE TYPE: human  
US-08-609-443B-14

Query Match 83.4%; Score 555.4; DB 2; Length 624;  
Best Local Similarity 98.8%; Pred. No. 1.7e-124;  
Matches 570; Conservative 0; Mismatches 6; Indels 1; Gaps 1;

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Qy 46 GTCCCGCCGAGCCCTCTCCAGCCTGATGCCCTGGCCACACAGGAAAGTGGTG 105
Db 49 GCCCGCCGAGCCCTCTCCAGCCTGATGCCCTGGCCACACAGGAAAGTGGTG 108
Qy 106 TCATGGATAGATGTATATCTCGGCTACCTGCCAGCCCGGAGGTGGTGGCCCTTG 165
Db 109 TCATGGATAGATGTATATCTCGGCTACCTGCCAGCCCGGAGGTGGTGGCCCTTG 168
Qy 166 ACTGTGGAGCTCATGGGACCGTGGCCAAACAGCTGTGGCCAGCTGCTGACTGTGCAG 225
Db 169 ACTGTGGAGCTCATGGGACCGTGGCCAAACAGCTGTGGCCAGCTGCTGACTGTGCAG 228
Qy 226 CGCTGTGGTGGCTGCTGCCCTGACGATGGCTGGAGTGTGGCCACACGACCAA 285
Db 229 CGCTGTGGTGGCTGCTGCCCTGACGATGGCTGGAGTGTGGCCACACGACCAA 288
Qy 286 GTCCGGATGAGATCCTCATGATCCGGTACCGAGCAGTCAAGTGGGGAGATGCCCTG 345
Db 289 GTCCGGATGAGATCCTCATGATCCGGTACCGAGCAGTCAAGTGGGGAGATGCCCTG 348
Qy 346 GAAGAACAACAGCCAGTGTGAATGCAGACCTAAAAAAGGACAGTGTGTGAAGCCAGAC 405
Db 349 GAAGAACAACAGCCAGTGTGAATGCAGACCTAAAAAAGGACAGTGTGTGAAGCCAGAC 408
Qy 406 AGGCTGTACTTCCACACACCGTCCCGAGCCCGCTTCTGTTCGGGGTGGGACTCTGCC 465
Db 409 AGGCTGTACTTCCACACACCGTCCCGAGCCCGCTTCTGTTCGGGGTGGGACTCTGCC 468
Qy 466 CCGGAGACACCTCCCGAGTGCATACCAATCCCACTCCAGCCCGGAGCTGCCCTGTGCG 525
Db 469 CCGGAGACACCTCCCGAGTGCATACCAATCCCACTCCAGCCCGGAGCTGCCCTGTGCG 527
Qy 526 CCAGCTGCACCCAGCACCACAGTGCCTGACCCCGGAGCTGCCCTGTGCGTGTGGA 585
Db 528 CCAGCTGCACCCAGCACCACAGTGCCTGACCCCGGAGCTGCCCTGTGCGTGTGCGGA 587
Qy 586 CGCGCAGCTTCTCCGTTGTCAAGGGGGGGCTTAG 622
Db 588 CGCGCAGCTTCTCCGTTGTCAAGGGGGGGCTTAG 624
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RESULT 2  
US-08-569-063C-14

Sequence 14, Application US/08569063C  
Patent No. 5928939  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALIFALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 624 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
ORIGINAL SOURCE:  
TISSUE TYPE: human  
US-08-569-063C-14

Query Match 83.4%; Score 555.4; DB 2; Length 624;  
Best Local Similarity 98.8%; Pred. No. 1.7e-124;  
Matches 570; Conservative 0; Mismatches 6; Indels 1; Gaps 1;

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Qy 46 GTCCCGCCGAGCCCTCTCCAGCCTGATGCCCTGGCCACACAGGAAAGTGGTG 105
Db 49 GCCCGCCGAGCCCTCTCCAGCCTGATGCCCTGGCCACACAGGAAAGTGGTG 108
Qy 106 TCATGGATAGATGTATATCTCGGCTACCTGCCAGCCCGGAGGTGGTGGCCCTTG 165
Db 109 TCATGGATAGATGTATATCTCGGCTACCTGCCAGCCCGGAGGTGGTGGCCCTTG 168
Qy 166 ACTGTGGAGCTCATGGGACCGTGGCCAAACAGCTGTGGCCAGCTGCTGACTGTGCAG 225
Db 169 ACTGTGGAGCTCATGGGACCGTGGCCAAACAGCTGTGGCCAGCTGCTGACTGTGCAG 228
Qy 226 CGCTGTGGTGGCTGCTGCCCTGACGATGGCTGGAGTGTGGCCACACGACCAA 285
Db 229 CGCTGTGGTGGCTGCTGCCCTGACGATGGCTGGAGTGTGGCCACACGACCAA 288
Qy 286 GTCCGGATGAGATCCTCATGATCCGGTACCGAGCAGTCAAGTGGGGAGATGCCCTG 345
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Qy 346 GAAGAACAACAGCCAGTGTGAATGCAGACCTAAAAAAGGACAGTGTGTGAAGCCAGAC 405
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Qy 406 AGGCTGTACTTCCCGAGCACCAGTGCCTGACCCCGGAGCTGCCCTGTGCGGCTGTCGCC 465
Db 409 AGGCTGTACTTCCCGAGCACCAGTGCCTGACCCCGGAGCTGCCCTGTGCGGCTGTCGCC 468
Qy 466 CCGGAGACACCTCCCGAGTGCATACCAATCCCACTCCAGCCCGGAGCTGCCCTGTGCG 525
Db 469 CCGGAGACACCTCCCGAGTGCATACCAATCCCACTCCAGCCCGGAGCTGCCCTGTGCG 527
Qy 526 CCAGCTGCACCCAGCACCACAGTGCCTGACCCCGGAGCTGCCCTGTGCGTGTGGA 585
Db 528 CCAGCTGCACCCAGCACCACAGTGCCTGACCCCGGAGCTGCCCTGTGCGTGTGCGGA 587
Qy 586 CGCGCAGCTTCTCCGTTGTCAAGGGGGGGCTTAG 622
Db 588 CGCGCAGCTTCTCCGTTGTCAAGGGGGGGCTTAG 624
```

## RESULT 3

US-08-609-443B-12  
Sequence 12, Application US/08609443B  
Patent No. 5840693

## GENERAL INFORMATION:

APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, Mckown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/609,443B  
FILING DATE: 01-MAR-1996

## CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/569,063  
FILING DATE: 06-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D

REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP4  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844

## INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 624 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ORIGINAL SOURCE:

TISSUE TYPE: mouse

US-08-609-443B-12

## Query Match

Best Local Similarity 69.7%; Score 464.4; DB 2; Length 624;

Matches 512; Conservative 0; Mismatches 61; Indels 1; Gaps 1;

QY 49 CCGCCGACGCGCCCTCTCTCCAGCTGATGCCCTGGCCACAGAGGAAAGTGTGTCA 108  
DB 52 CGCACCAGCCCTGTGTCTCCAGTTGATGGCCCGCCAGCCAGAGAAAGTGTGTCA 111  
QY 109 TGGATAGATGTGTATCTACCTCGCTACCTGCCAGCCCGGAGGTGGTGGCCCTTGACT 168  
DB 112 TGGATAGACGTTTATCTACCTGCTCCATGCCAGCCAGGAGGTGGTGGCTCTGAGC 171  
QY 169 GTGGAGCTGTGGACCGCTGGCCCAACAGCTGGTGGCCAGCTGGCTGACTGTGCAGCGC 228  
||||| ||||||| ||| ||||| || ||||||| ||||||| ||||||| |||||||

DB 172 ATGGAACATATGGCAATGTGTCTCAACAACTAGTGCCAGCTGTGTGACTGTGCAGCGC 231  
QY 229 TGTGTGGCTGCTGCCCTGACGATGGCCCTGGAGTGTGTGCCACCTGGGCGAGCAACAAAGTC 288  
DB 232 TGTGTGGCTGCTGCCCTGACGATGGCCCTGGAGTGTGTGCCACCTGGGCGAGCAACAAAGTC 291  
QY 289 CGGATGCAGATCCTCATGATCCGGTACCGGACGAGTCAGCTGGGGGAGATGCTCTGGAA 348  
DB 292 CGAATGCAGATCCTCATGATCCAGTACCGGACGAGTCAGCTGGGGGAGATGCTCTGGAA 351  
QY 349 GAACACAGCCAGTGTGAATGCAGACCTAAAGGAGGAGTCTGTGAAGCCAGACAGC 408  
DB 352 GAACACAGCCAGTGTGAATGCAGACCTAAAGGAGGAGTCTGTGAAGCCAGACAGC 411  
QY 409 GCTGTACTCTCCCGACCCAGCTGCCCGGCTCTGTCTTCCGGGCTGGGACTCTTGCCTCC 468  
DB 412 GTTGCATACCCAGCCAGCTGCCCGGCTCTGTCTTCCGGGCTGGGACTCTTGCCTCC 471  
QY 469 GGAGCACCTCTCCCGAGCTGACATCCCAATCCCACTCCAGCCCGAGCCCTCTTGCCTCC 528  
DB 472 GGAGCATCTCTCCCGAGCTGACATCCCAATCCCACTCCAGCCCGAGCCCTCTTGCCTCC 530  
QY 529 CGCTGCACCCAGCAGCCAGCTGCCCTGACCCCGGAGCTGGGCTGGGACTCTTGCCTCC 588  
DB 531 CTTGCACCCAGCAGCCAGCTGCCCTGACCCCGGAGCTGGGCTGGGACTCTTGCCTCC 590  
QY 589 CGCAGCTTCTCTCCGTTGTCAAGGGGGGCTTAG 622  
DB 591 CGCCGCTTCTCTCCGTTGTCAAGGGGGGCTTAG 624

## RESULT 4

US-08-569-063C-12  
Sequence 12, Application US/08569063C  
Patent No. 5928939

## GENERAL INFORMATION:

APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, Mckown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:

AVAILABLE COPY







APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 570 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ORIGINAL SOURCE: human fibrosarcoma  
TISSUE TYPE: human fibrosarcoma  
US-08-569-063C-10

Query Match 60.28; Score 400.6; DB 2; Length 570;  
Best Local Similarity 82.9%; Pred. No. 1.7e-87;  
Matches 515; Conservative 0; Mismatches 4; Indels 102; Gaps 1;

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Qy 46 GTCCCCCGCCAGGCCCTGTCTCCAGCCTGATGCCCTGGCCACCAGAGGAAAGTGGT 105
Db 52 GCCCGCCAGGCCCTGTCTCCAGCCTGATGCCCTGGCCACCAGAGGAAAGTGGT 111

Qy 106 TCATGGATAGATGTATCTACGCGCTACCTGCCAGCCCCGGGAGGTGGTGCCTTG 165
Db 112 TCATGGATAGATGTATCTACGCGCTACCTGCCAGCCCCGGGAGGTGGTGCCTTG 171

Qy 166 ACTGTGGAGCTCATGGGACCGTGGCCAAACAGCTGTGCCAGCTGCTGACTGTGCAG 225
Db 172 ACTGTGGAGCTCATGGGACCGTGGCCAAACAGCTGTGCCAGCTGCTGACTGTGCAG 231

Qy 226 CGCTGTGTGGTGTGCTGCCCTGACGATGGCTGGAGTGTGTGCCACTGGGCAGCACAA 285
Db 232 CGCTGTGTGGTGTGCTGCCCTGACGATGGCTGGAGTGTGTGCCACTGGGCAGCACAA 291

Qy 286 GTCCGGATGACAGTCCCTCATGATCCGGTACCCGACGATCAGCTGGGGAGATGTCCTG 345
Db 292 GTCCGGATGACAGTCCCTCATGATCCGGTACCCGACGATCAGCTGGGGAGATGTCCTG 351

Qy 346 GAAGACACAGCCAGTGTGAATGCAGACCTAAAAAAGGACAGTGTGAAGCCAGAC 405
Db 352 GAAGACACAGCCAGTGTGAATGCAGACCTAAAAAAGGACAGTGTGTGAAGCCAGAC - 410

Qy 406 AGGGCTGTCTACTCCCCACCACCGTCCCGAGCCCGTGTCTCCGGGCTGGGACTCTGCC 465
Db 411 ----- 410

Qy 466 CCCGGAGACCCCTCCCGAGTGCATACCCCAATCCCACTCCAGCCCGAGCCCTCTGCC 525
Db 411 -----CAGCCCGAGCCCTCTGCC 429

Qy 526 CCAGCTGCACCCAGCACCCAGTGCCTTGACCCCGGACCTGCCGCTGCCGCTGCGA 585
Db 430 CCAGCTGCACCCAGCACCCAGTGCCTTGACCCCGGACCTGCCGCTGCCGCTGCGA 489

Qy 586 CGCCGACGTTCCCTCCGTGTGTCAGAGGGGGGCTTAGAGCTCAACCCAGACACCTGCAGG 645
Db 490 CGCCGACGTTCCCTCCGTGTGTCAGAGGGGGGCTTAGAGCTCAACCCAGACACCTGCAGG 549

Qy 546 TCCCGGAAGCTGCCAAGTGA 666
Db 550 TCCCGGAAGCTGCCAAGTGA 570
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RESULT 8  
US-08-469-427A-4

Sequence 4, Application US/08469427A  
Patent No. 5607918  
GENERAL INFORMATION:  
APPLICANT: Eriksson, Ulf  
APPLICANT: Olofsson, Birgitta  
APPLICANT: Alitalo, Kari  
APPLICANT: Pajusola, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
ZIP: 20005

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,427A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Evans, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 41979cp2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 565 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
TISSUE TYPE: adult mouse heart  
US-08-469-427A-4

Query Match 47.4%; Score 316; DB 1; Length 565;  
Best Local Similarity 74.6%; Pred. No. 2.9e-67;  
Matches 461; Conservative 0; Mismatches 55; Indels 102; Gaps 1;

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Qy 49 CCGCCCGAGCCCTGTCTCCAGCCTGATGCCCTGGCCACCAGAGGAAAGTGGTCA 108
Db 50 CGCACCAGGCCCTGTGTCTCCAGTTGATGGCCCGCCAGCCAGAGAAAGTGGTCCA 109

Qy 109 TGGATAGATGTGTATACCTCGCGTACCTGCCAGCCCCGGGAGGTGGTGGCTTGCAT 168
Db 110 TGGATAGACGTTTATGACGTCGCACATGCCAGCCAGGAGGTGGTGGCTTGCAGC 169

Qy 169 GTGAGGCTCATGGGACCCGTCGGCCAAACAGCTGTGTGCCAGCTGCGTGCAGCGGC 228
Db 170 ATGGAATCATGGGCAATGTGGTCAAAACAACTAGTGGCCAGCTGTGTGACTGTGACGCGC 229

Qy 229 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAGTGTGTGCCCTGGGAGGAGTCAAGTC 288
Db 230 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTGCCCTGGGAGGAGTCAAGTC 289

Qy 289 CGGATGCAGATCCTCATGATCCCGGTACCCAGCAGCTGAGTGGGGGAGATGTCCCTGAA 348
Db 290 CGAATGCAGATCCTCATGATCCAGTACCCGAGCAGTCAAGTGGGGGAGATGTCCCTGAA 349

Qy 349 GAACACAGCCAGTGTGAATGCAGACCTAAAAAAGGACAGTGTGTGAAGCCAGACAGG 408
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Db 350 GAACAGCAATGTGAATGCACCAAAAAAGAGAGTCTGTGAAGCCAGA----- 405  
QY 409 GCTGTACTCCCAACACAGCTGCCAGCCCGTTCTGTTCGGGCTGGGACTGTGCCCGC 468  
Db 406 ----- 405  
QY 469 GGAGCACCCTCCCAAGCTGACATCAACCAATCCCACTCCAGCCCAAGGCCCTCTGCCCA 528  
Db 406 -----CAGCCCAAGGATCTCTGCCCG 427  
QY 529 CGCTGACCAAGCAGCAGCAGTGCCTGACCCCGGACCTGCCGCTGCCGCTGCGACGC 588  
Db 428 CTTGACCAAGCAGCAGTGCCTGACCCCGGACCTGCCGCTGCCGCTGCGACGC 487  
QY 589 CGCAGCTTCTCCGTTGTCGAAGGGCGGGCTTAGAGCTCAACCCAGACACCTGCGAGTGC 648  
Db 488 CGCGCTTCTCCATTGCCAAGGGCGGGCTTAGAGCTCAACCCAGACACCTGTAGGTGC 547  
QY 649 CGGAAGCTGGGAAGTGA 666  
Db 548 CGGAAGCGCGGAAGTGA 565

RESULT 9

US-08-609-443B-4  
; Sequence 4, Application US/08609443B  
; Patent No. 5840693  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulif  
; APPLICANT: OLOFSSON, Birgitta  
; APPLICANT: ALITALO, Kari  
; APPLICANT: PAJUSOLA, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; TITLE OF INVENTION: DNA CODING THEREFOR  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/609,443B  
; FILING DATE: 01-MAR-1996  
; CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/469,427  
; FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/569,063  
; FILING DATE: 08-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
; NAME: EVANS, Joseph D  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 1064/41979CP4  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 565 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; TISSUE TYPE: adult mouse heart  
US-08-609-443B-4  
  
Query Match 47.4%; Score 316; DB 2; Length 565;  
Best Local Similarity 74.6%; Pred. No. 2.9e-67;  
Matches 461; Conservative 0; Mismatches 55; Indels 102; Gaps 1;  
  
QY 49 CCGCGCCAGGCGCCCTCTCTCCAGCCTGATGCCCTTGGCCACCAAGGAAAGTGGTCA 108  
Db 50 CGCACAGGCGCCCTGTGCTCCAGTTGATGGCCAGCAGCAGCAAGAAAGTGGTCA 109  
QY 109 TGGATAGATGTGTATCTCGCGCTACCTGCCAGCCCGGGAGGTGTGTCCTTGA 168  
Db 110 TGGATAGATGTGTATCTCGCGCTACCTGCCAGCAGCAGCAGGAGTGTGTCCTTGA 169  
QY 169 GTGGAGCTCATGGGACCGCTGGCCAAACAGCTGGTGGCCAGCTGCGTGTGCTG 228  
Db 170 ATGGAACCTCATGGCAATGTGGTCAAAACAACTAGTGCCTGCTGTGCTGTG 229  
QY 229 TGTGTGGCTGCTGCCCTGACGATGGCTGGAGTGTGTCCTGCTGGCAGCAAGTC 288  
Db 230 TGTGTGGCTGCTGCCCTGACGATGGCTGGAGTGTGTCCTGCTGGCAGCAAGTC 289  
QY 289 CGGATGCAGATCCTCATGTATCCGGTACCGAGCAGTCCAGTGGGAGATGTCCCTG 348  
Db 290 CGAATGCAGATCCTCATGTATCCAGTACCGAGCAGTCCAGTGGGAGATGTCCCTG 349  
QY 349 GAACACAGCAGTGTGAATGCAGACCTTAAAGGAGAGTGTGTGAAGCCAGCAGG 408  
Db 350 GAACACAGCAGTGTGAATGCAGACCTTAAAGGAGAGTGTGTGAAGCCAGCAGG 405  
QY 409 GCTGTACTCCCAACACCGTCCCAAGCGGCTTCTGTTCCGGGCTGGGACTGTGCC 468  
Db 406 ----- 405  
QY 469 GGAGCACCCTCCCAAGCTGACATCAACCAATCCCACTCCAGCCCGGAGGCTGTGCC 528  
Db 406 -----CAGCCCAAGGATCTCTGCCCG 427  
QY 529 CGCTGACCAAGCAGCAGCAGTGCCTGACCCCGGACCTGCGGCTGCGCTGTGCA 588  
Db 428 CTTGACCAAGCAGCAGCAGTGCCTGACCCCGGACCTGCGGCTGCGCTGTGCA 487  
QY 589 CGCAGCTTCTCCGTTGTCGAAGGGCGGGCTTAGAGCTCAACCCAGACACCTGCG 648  
Db 488 CGCGCTTCTCCATTGCCAAGGGCGGGCTTAGAGCTCAACCCAGACACCTGTAGGTGC 547  
QY 649 CGGAAGCTGGGAAGTGA 666  
Db 548 CGGAAGCGCGGAAGTGA 565

RESULT 10

US-08-569-063C-4  
; Sequence 4, Application US/08569063C  
; Patent No. 5928939  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulif  
; APPLICANT: OLOFSSON, Birgitta  
; APPLICANT: ALITALO, Kari  
; APPLICANT: PAJUSOLA, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; TITLE OF INVENTION: DNA CODING THEREFOR  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington

AVAILABLE COPY

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STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/459,427
FILING DATE: 06-JUN-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 565 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ORIGINAL SOURCE:
TISSUE TYPE: adult mouse heart
US-08-569-063C-4

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Query Match	47.4%	Score 316;	DB 2;	Length 565;
Best Local Similarity	74.6%;	Pred. No. 2.9e-67;		
Matches 461; Conservative	0;	Mismatches 55;	Indels 102;	Gaps 1;

  

QY	49	CCGCCACAGCCCTGTC	CCCCAGCCTGATGCCCTGGCCACACAGAGAAAGTGGTGCA	108
Db	50	CGCACCCAGGCCCTGT	CCCCAGTTTGATGGCCCCACGCCACCAAGAAAGTGGTGCCA	109
QY	109	TGGATAGATGTGTAT	CTCGCGTACCTGCCAGCCCCGGGAGGTGGTGGTCCCTTGACT	168
Db	110	TGGATAGACGTT	TATGCACTGCCACATGCCAGCCAGGAGGTGGTGGTCCCTGAGC	169
QY	169	GTGGAGCTCAT	GTGGCAACCGTGGCCAAACAGCTGGTGCCCAAGCTCGGTGACTGTGCAGCGC	228
Db	170	ATGGAAC	TCATGGCAATGTGGTCAAACTAGTGTGCCAGCTGTGTGACTGTGCAGCGC	229
QY	229	TGTGGTGGCTGT	CGCCCTGAGGATGGCGCTGGAGTGTGTGCCCACTGGGCACCAACAGTC	288
Db	230	TGTGGTGGCTGT	CGCCCTGACATGGCTGCGAATGTGTGCCCACTGGGCAACACCAAGTC	289
QY	289	CGATGCAGATCCT	CATGATCCGTTACCCAGCAGTCAGCTGGGGGAGATGTCCTCGAA	348
Db	290	CGAATGCAGATCCT	CATGATCCAGTACCCAGCAGTCAGCTGGGGGAGATGTCCTCGAA	349
QY	349	GAACACAGCCAGTGT	GAATGCAGACCTTAAAAAAGACAGTGTGTGAAGCCACAGAGG	408
Db	350	GAACACAGCCAA	TGTGAATCGAGNCCAAAAAAGAGAGTGTGTGAAGCCAGA	405
QY	409	GCTGCTACT	CCCCACACCGTCCCCAGCCCCGTTCTGTTCCGGCTGGGACTGCCCCC	468
Db	406	-----	-----	405
QY	469	GGAGACCCCTCC	CGAGCTGACATCACCCATCCACGCCCCCAGGCCCTCTGCCCA	528
Db	406	-----	-----	427

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QY 529 CGCTGCACCCAGCAGCACACAGTGCCTTACCACCCCGGACCTGCGCGCTGCTGCACGCG 588
DB 428 CCTTGCACCCAGCGCGTCAACGCGCTGACCCCGGACCTGCGCGCTGCGCGCTGACAGACG 487
QY 589 CGAGCTTCTCCCTGCTCAAGGCGGGGCTTAGAGCTCAACCCAGCACACCTGSCAGGTGC 648
DB 488 CGCGCGCTTCTCCATTGCCAAGGCGGGGCTTAGAGCTCAACCCAGCACACCTGTTAGGTGC 547
QY 649 CGGAAGCTGCGAAGGTGA 666
DB 548 CGGAAGCGCGAAGTGA 565

RESULT 11
US-08-469-427A-6
; Sequence 6, Application US/08459427A
; Patent No. 5607918
; GENERAL INFORMATION:
; APPLICANT: Eriksson, Ulf
; APPLICANT: Olofsson, Birgitta
; APPLICANT: Altalo, Karl
; APPLICANT: Pajusola, Katri
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,427A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 41979cp2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 591 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ORGANISM SOURCE:
; TISSUE TYPE: adult mouse heart
US-08-469-427A-6

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[illegible]

Db 115 TGGATAGACGTTTATGCACGTGCCACATCCAGCCAGGAGGTGGTGGCTCTGAGC 174  
QY 169 GTGGAGCTCATGGGACCGCTGGCCAAACAGCTGGTGGCCAGCTGGCTGACTGTGCAGCGC 228  
Db 175 ATGGAACTCATGGGCAATGTGTCAAAACACTAGTGGCCAGCTGTGTGACTGTGCAGCGC 234  
QY 229 TGTGGTGGCTGTGCGCTCAGCATGCGCTGGAGTGTGTGCCCACTGGGGCAGCACCAGTC 288  
Db 235 TGTGGTGGCTGTGCGCTCAGCATGCGCTGGAGTGTGTGCCCACTGGGGCAGCACCAGTC 294  
QY 289 CGGATG-----CAGATCCTCATCATCGGTACCGAGCAGCTCAG 327  
Db 295 CGAATGCAGGTACCGAGGCGCTATGGGTGAGATCTCATGATCAGTACCGAGCAGCTCAG 354  
QY 328 CTGGGGAGATGTCCCTGGAAGAACACAGCCAGTGTGAATGCAGACCTTAAAAAAGGAC 387  
Db 355 CTGGGGAGATGTCCCTGGAAGAACACAGCCAAATGTGAATGCAGACCAAAAAAAGGAG 414  
QY 388 AGTGCTGTGAAGCCAGACAGGCTGTCTACTCCCAACCGTCCCGAGCGCCGTTCTGT 447  
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QY 448 CCGGGCTGGGACTCTGCCCGCCGAGCAGCCCTCCCGAGCTGACATCACCAATCCCACTCC 507  
Db 432 -----C 432  
QY 508 AGCCCGAGCGCTCTGCCAGCTGCACCCAGCAGCAGCAGCTGCCTGCACCCCGGACC 567  
Db 433 AGCCCGAGCTCTCTGCCAGCTGCACCCAGCAGCAGCAGCTGCCTGCACCCCGGACC 492  
QY 568 TGGCGTGGCTGTGTCAGCGCGCAGCTTCTCCGTTGTCAAGGGGGGGCTTAGAGCTC 627  
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QY 628 AACCCAGACCTGTAGGTGCCGGAAGCTGCAAGGTGA 666  
Db 553 AACCCAGACCTGTAGGTGCCGGAAGCTGCAAGGTGA 591

RESULT 12

US-08-609-443B-6  
; Sequence 6, Application US/08609443B  
; Patent No. 5840693  
; GENERAL INFORMATION:  
; APPLICANT: ERIKSSON, Ulf  
; APPLICANT: OLOFSSON, Birgitta  
; APPLICANT: ALITALO, Kari  
; APPLICANT: PAJUSOLA, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/609,443B  
; FILING DATE: 01-MAR-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/469,427  
; FILING DATE: 06-JUN-1995

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/569,063  
; FILING DATE: 06-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: EVANS, Joseph D  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 1064/41979CP4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 591 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ORIGINAL SOURCE:  
; TISSUE TYPE: adult mouse heart  
; US-08-609-443B-6  
  
Query Match 42.8%; Score 285; DB 2; Length 591;  
Best Local Similarity 72.1%; Pred. No. 7.5e-60;  
Matches 461; Conservative 0; Mismatches 55; Indels 123; Gaps 2;  
  
QY 49 CCGCGCCAGCGCCCTGTCTCCAGCCTGATGCCCTGGCCACAGAGGAAAGTGGTGTCA 108  
Db 55 CGCACCCAGCGCCCTGTCTCCAGTGTGATGCCCGAGCCAGCAAGAGTGGTGTCCA 114  
QY 109 TGGATAGATGTGTATATCTACCTGCCAGCTACCTGCCAGCCCGGAGGTGGTGGCTTTGACT 168  
Db 115 TGGATAGACGTTTATGCACGTGCCATGCCAGCCAGGAGGTGGTGGCTCTTGAGC 174  
QY 169 GTGGAGCTCATGGGACCGCTGGCCAAACAGCTGGTGGCCAGCTGGCTGACTGTGCAGCGC 228  
Db 175 ATGGAACTCATGGGCAATGTGTGTCAAACAACTAGTGGCCAGCTGTGTGACTGTGCAGCGC 234  
QY 229 TGTGGTGGCTGTGCCCTGACGATGGCTGGAGTGTGTGCCACTGGCGAGCAGCAAGTC 288  
Db 235 TGTGGTGGCTGTGCCCTGACGATGGCTGGAAATGTGTGCCCACTGGGCAACACCAAGTC 294  
QY 289 CGGATG-----CAGATCCTCATCATCGGTACCGGAGCAGCTCAG 327  
Db 295 CGAATGCAGGTACCGAGGCGCTATGGGTGAGATCTCATGATCCAGTACCGGAGCAGTCAG 354  
QY 328 CTGGGGAGATGTCCCTGGAAGAACACAGCCAGTGTGAATGCAGACCTTAAAAAAGGAC 387  
Db 355 CTGGGGAGATGTCCCTGGAAGAACACAGCCAAATGTGAATGCAGACCAAAAAAAGGAG 414  
QY 388 AGTGCTGTGAAGCCAGACAGGCTGTCTACTCCCAACCGTCCCGAGCGCCCGTTCTGT 447  
Db 415 AGTGCTGTGAAGCCAGA----- 431  
QY 448 CCGGGCTGGGACTCTGCCCGCCGAGCAGCCCTCCCGAGCTGACATCACCAATCCCACTCC 507  
Db 432 -----C 432  
QY 508 AGCCCGAGCGCTCTGCCAGCTGCACCCAGCAGCAGCAGCTGCCTGCACCCCGGACC 567  
Db 433 AGCCCGAGCTCTCTGCCAGCTGCACCCAGCAGCAGCTGCCTGCACCCCGGACC 492  
QY 568 TGGCGTGGCTGTGTCAGCGCGCAGCTTCTCCGTTGTCAAGGGGGGGCTTAGAGCTC 627  
Db 493 TGGCGTGGCTGTGTCAGCGCGCAGCTTCTCCATTTGCCAAGGGGGGGCTTAGAGCTC 552  
QY 628 AACCCAGACCTGTAGGTGCCGGAAGCTGCAAGGTGA 666  
Db 553 AACCCAGACCTGTAGGTGCCGGAAGCTGCAAGGTGA 591





